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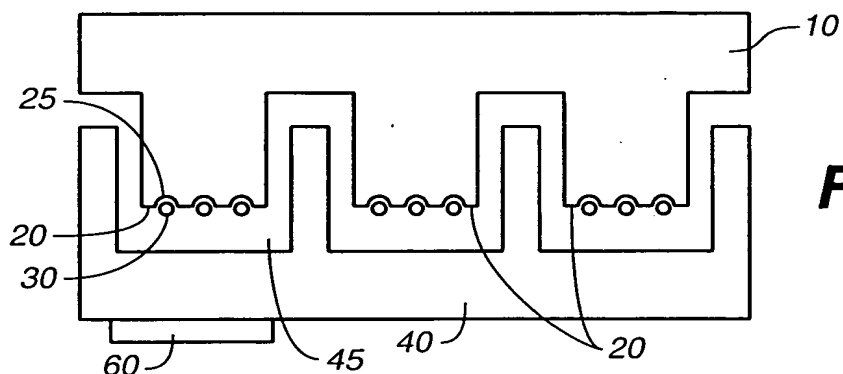
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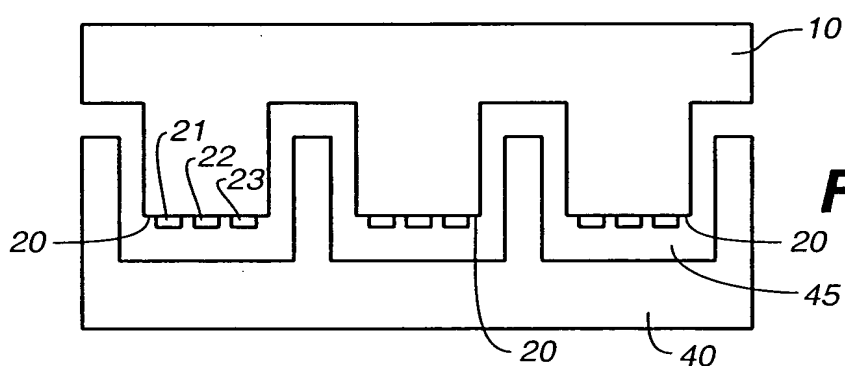
ALTERNATIVE SUBSTRATES AND FORMATS FOR BEAD-BASED  
ARRAY OF ARRAYS™

Kain et al

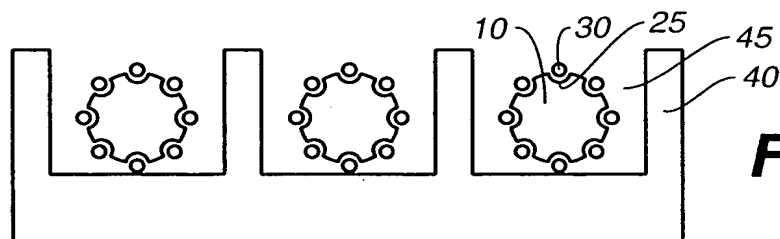
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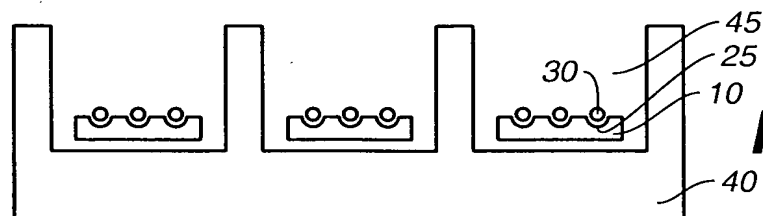
**FIG. 1A**



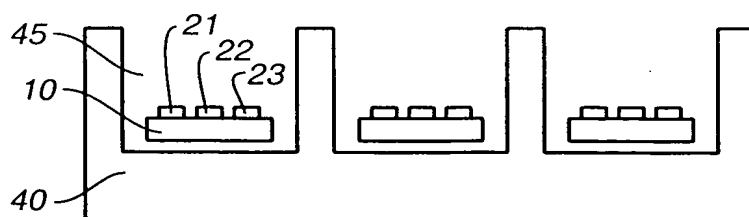
**FIG. 1B**



**FIG. 1C**



**FIG. 1D**

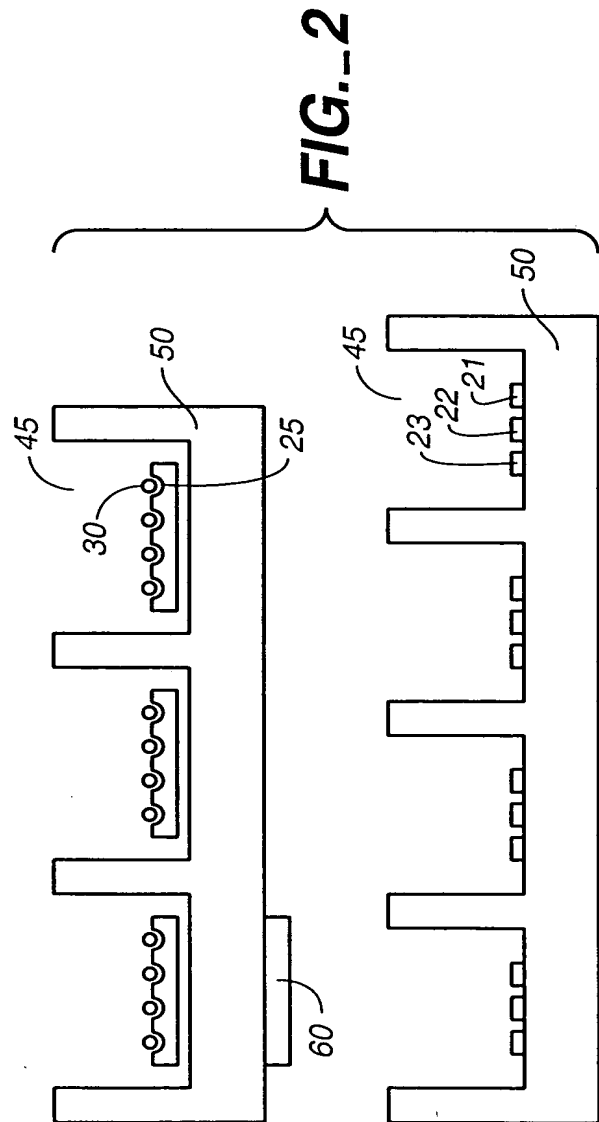
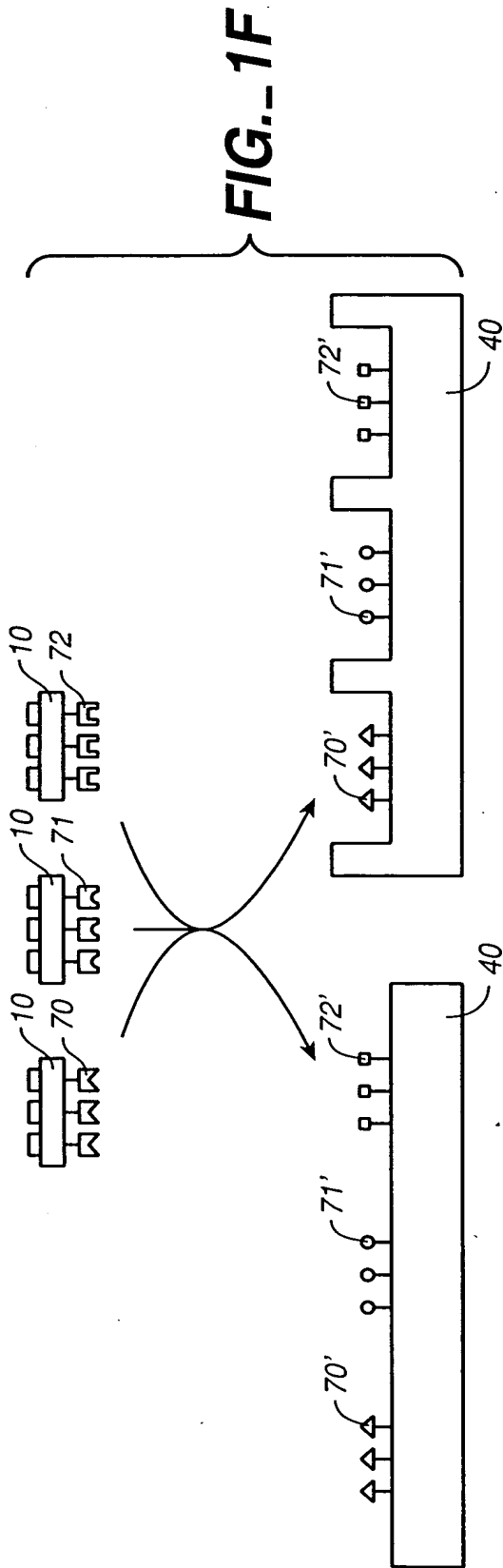


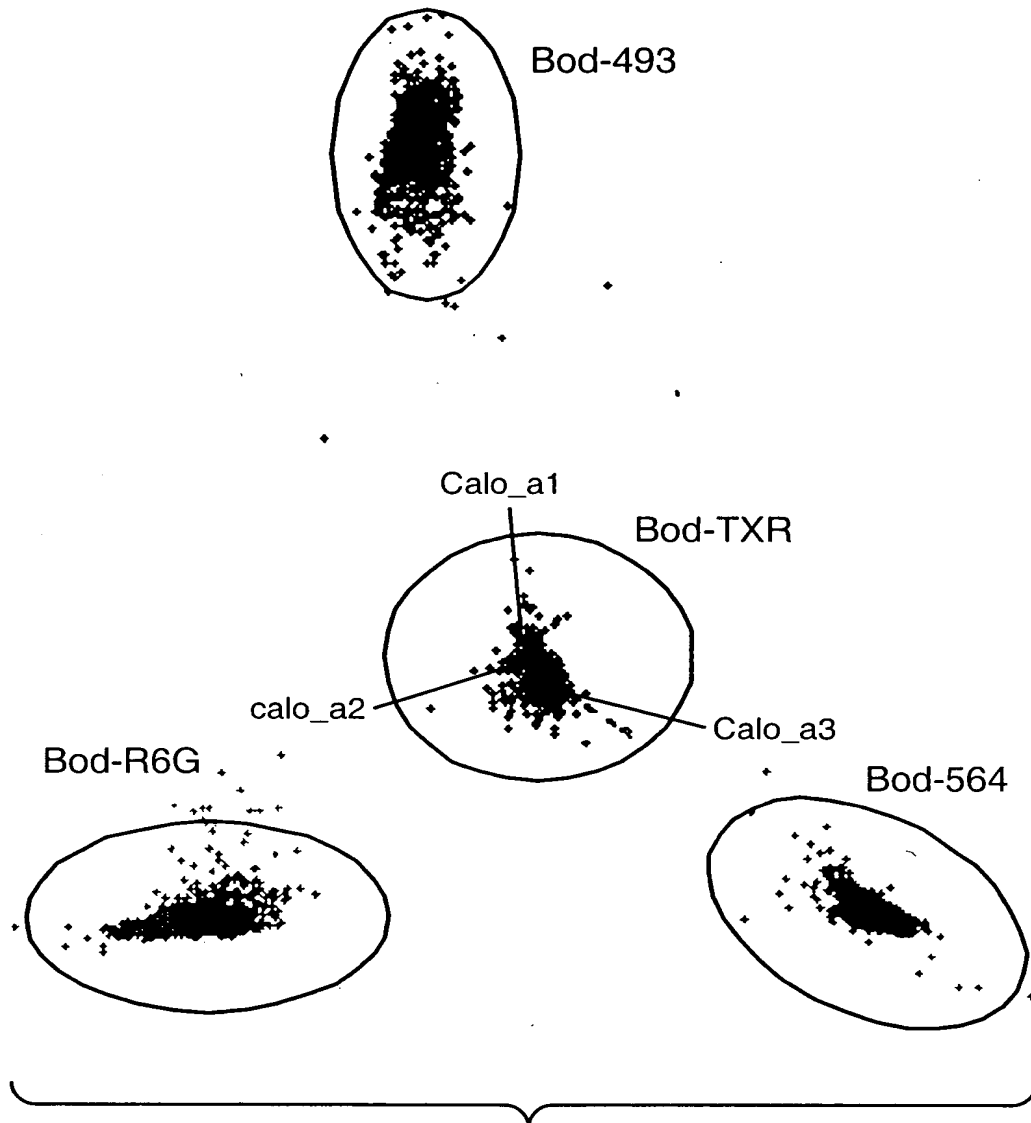
**FIG. 1E**

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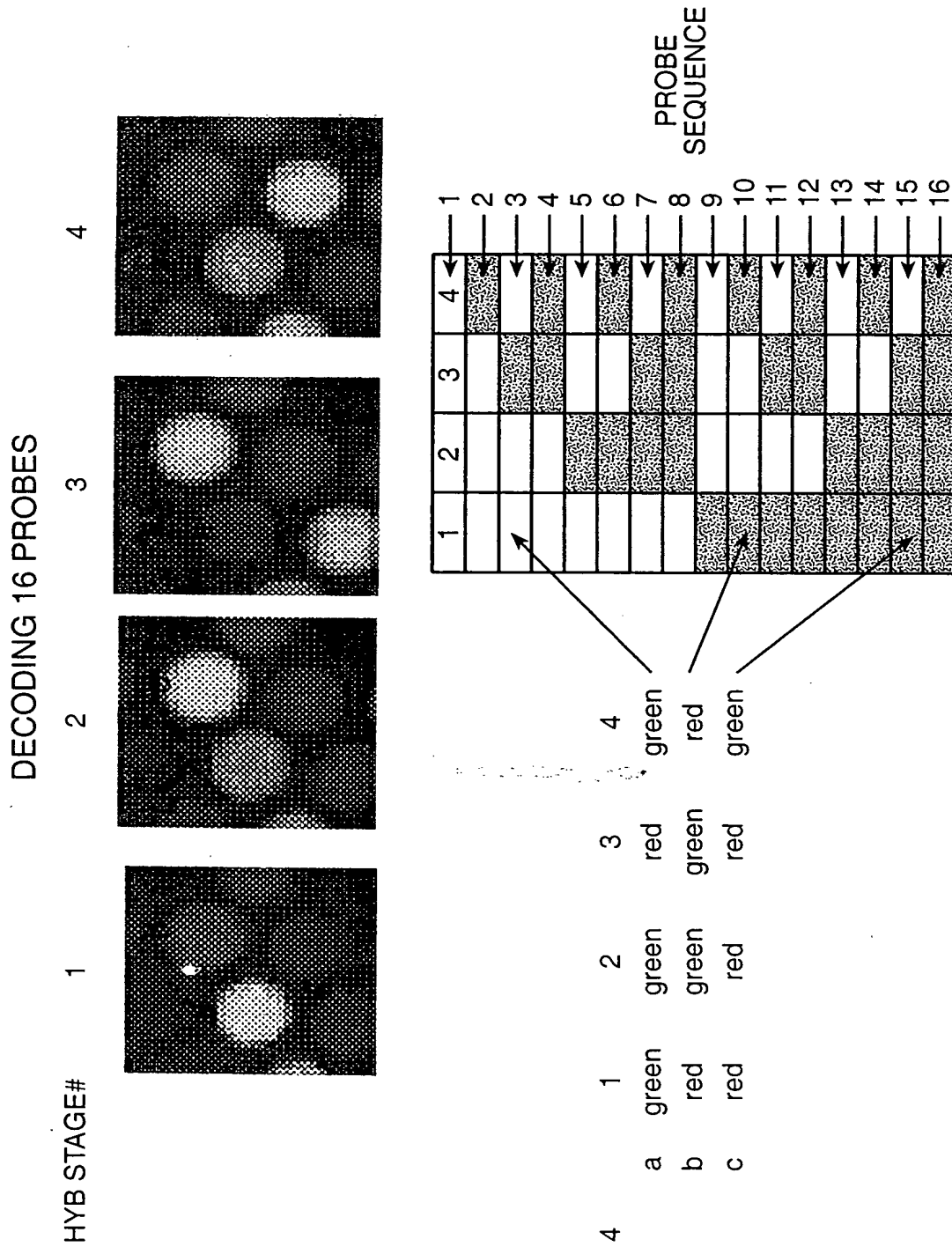
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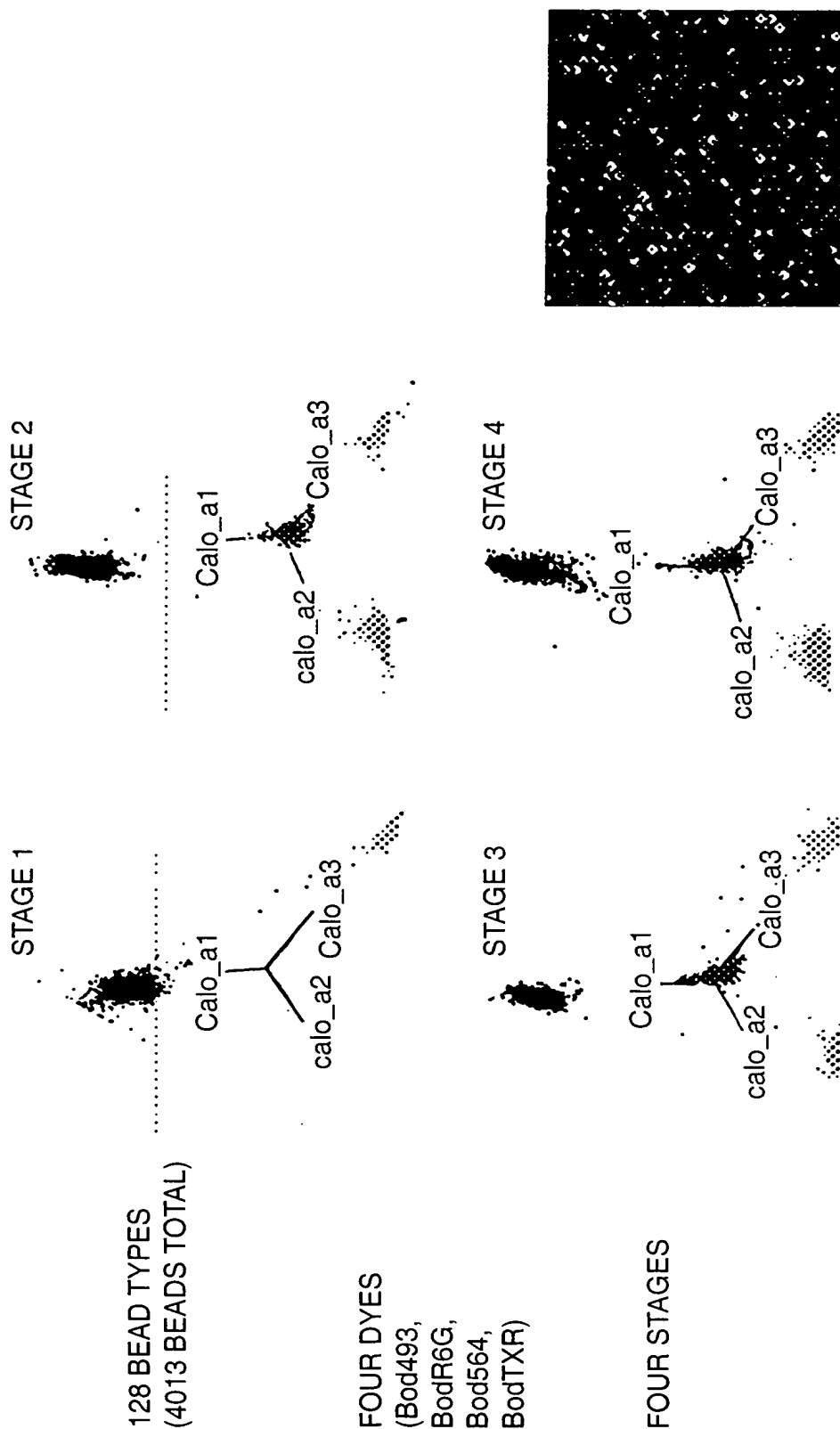
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**FIG.\_3**





GREYSCALE DECODING

Code	S1	S2	S3
1	100	100	100
2	100	100	40
3	100	100	10
4	100	40	100
5	100	40	40
6	100	40	10
7	100	10	100
8	100	10	40
9	100	10	10
10	40	100	100
11	40	100	40
12	40	100	10
13	40	40	100
14	40	40	40
15	40	40	10
16	40	10	100
17	40	10	40
18	40	10	10
19	10	100	100
20	10	100	40
21	10	100	10
22	10	40	100
23	10	40	40
24	10	40	10
25	10	10	100
26	10	10	40
27	10	10	10

FIG.\_6A

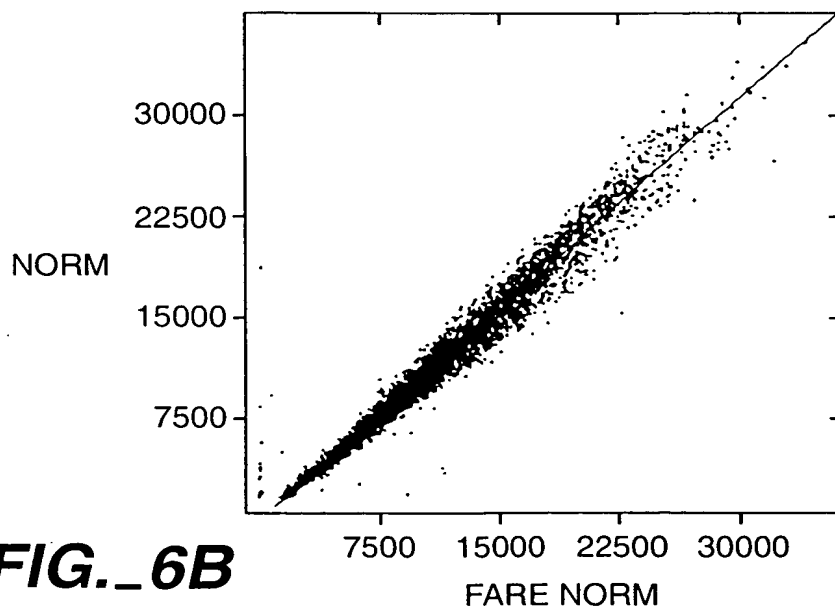
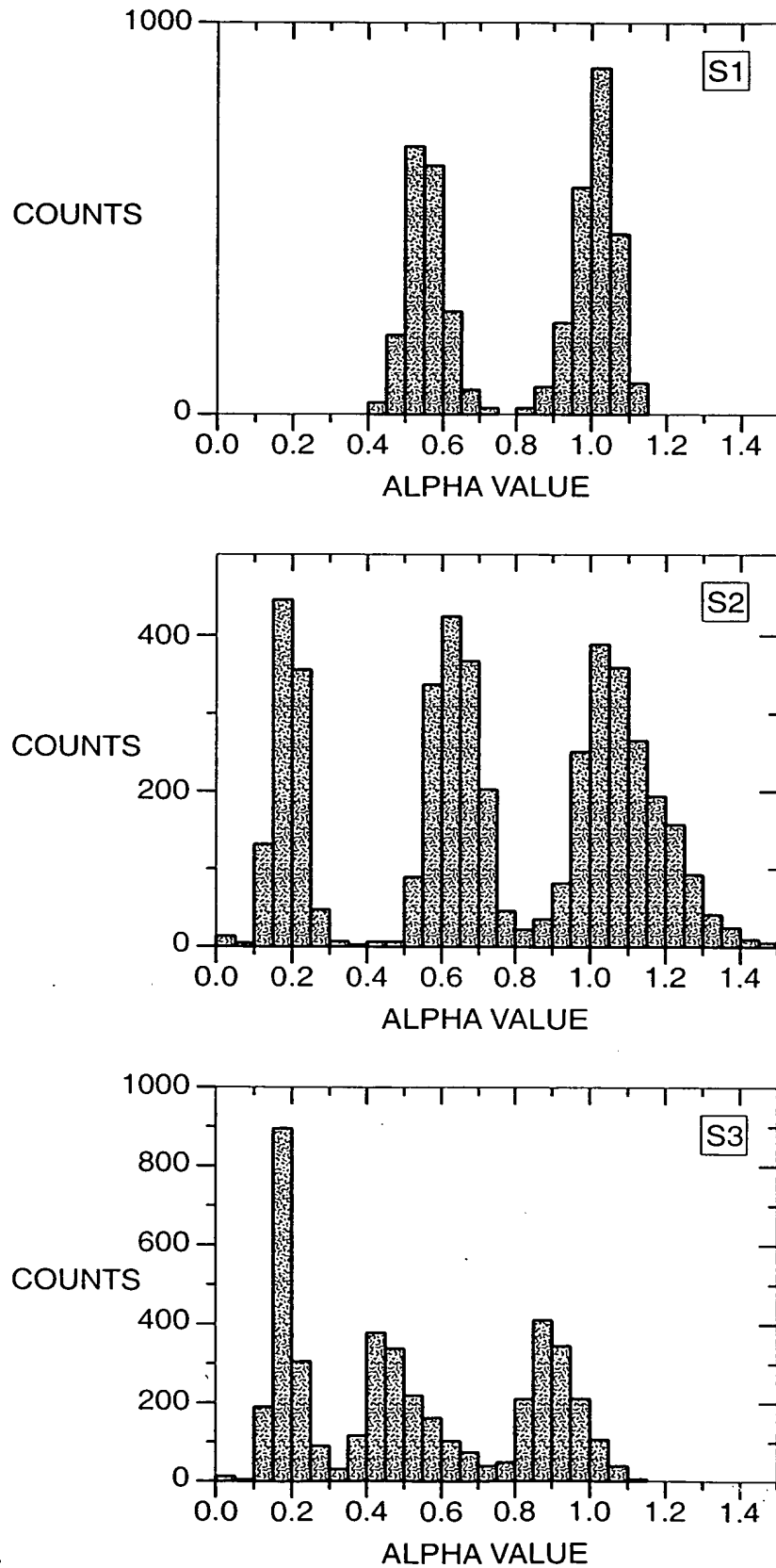


FIG.\_6B

FIG.\_6C

GREYSCALE DECODING

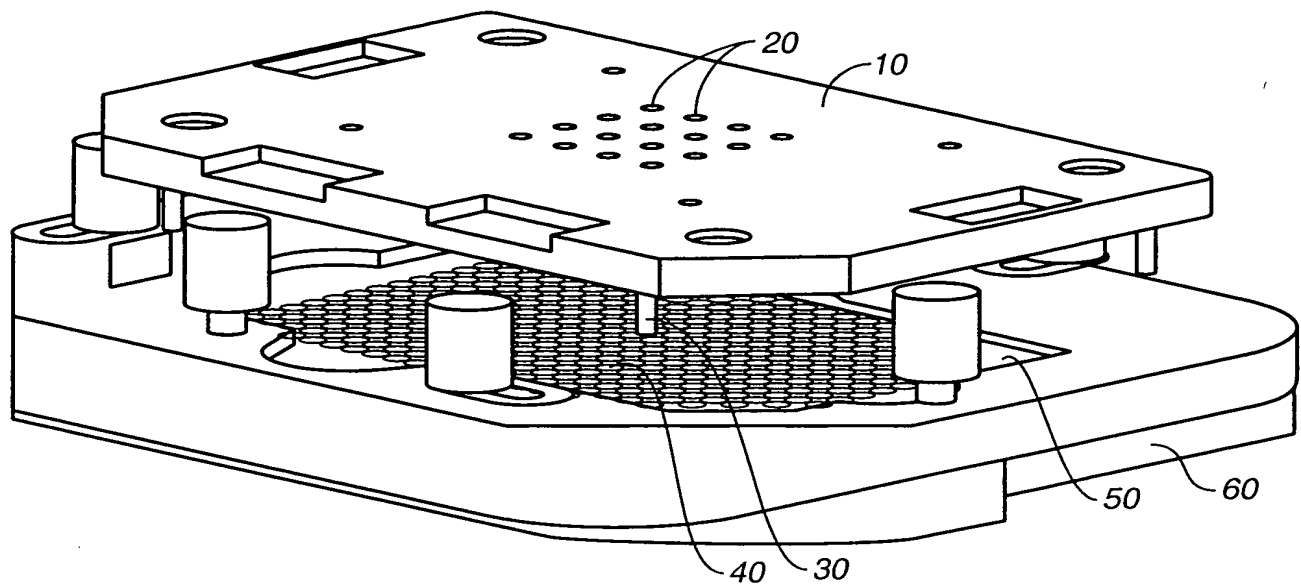




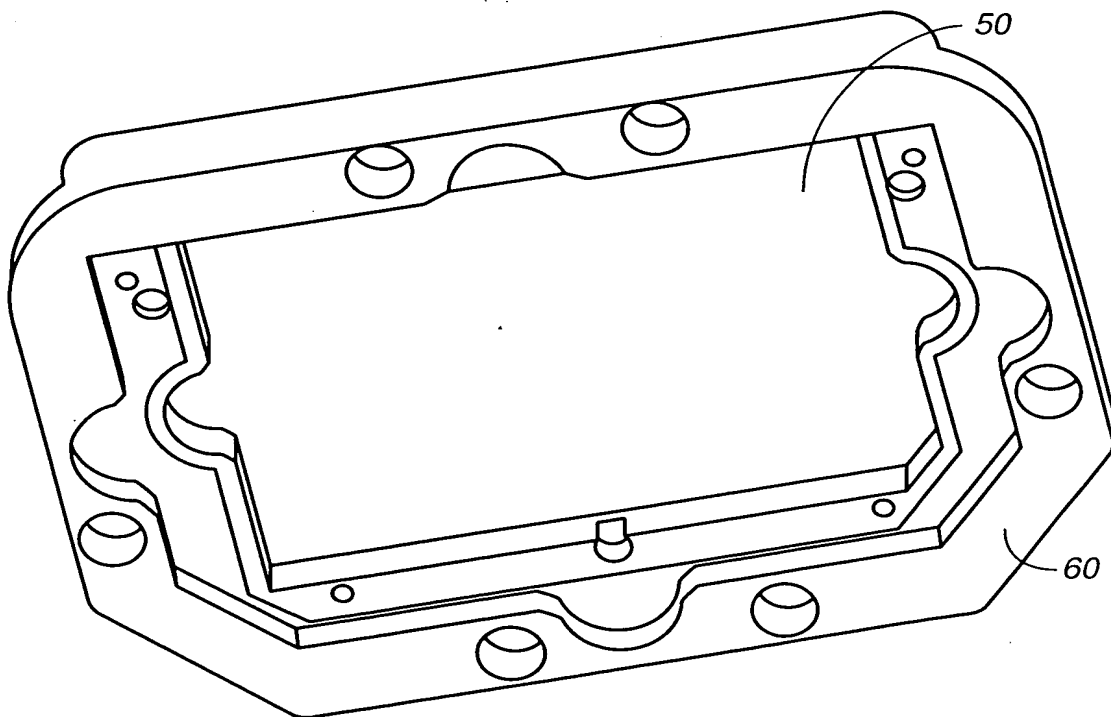
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**FIG. 7A**



**FIG. 7B**

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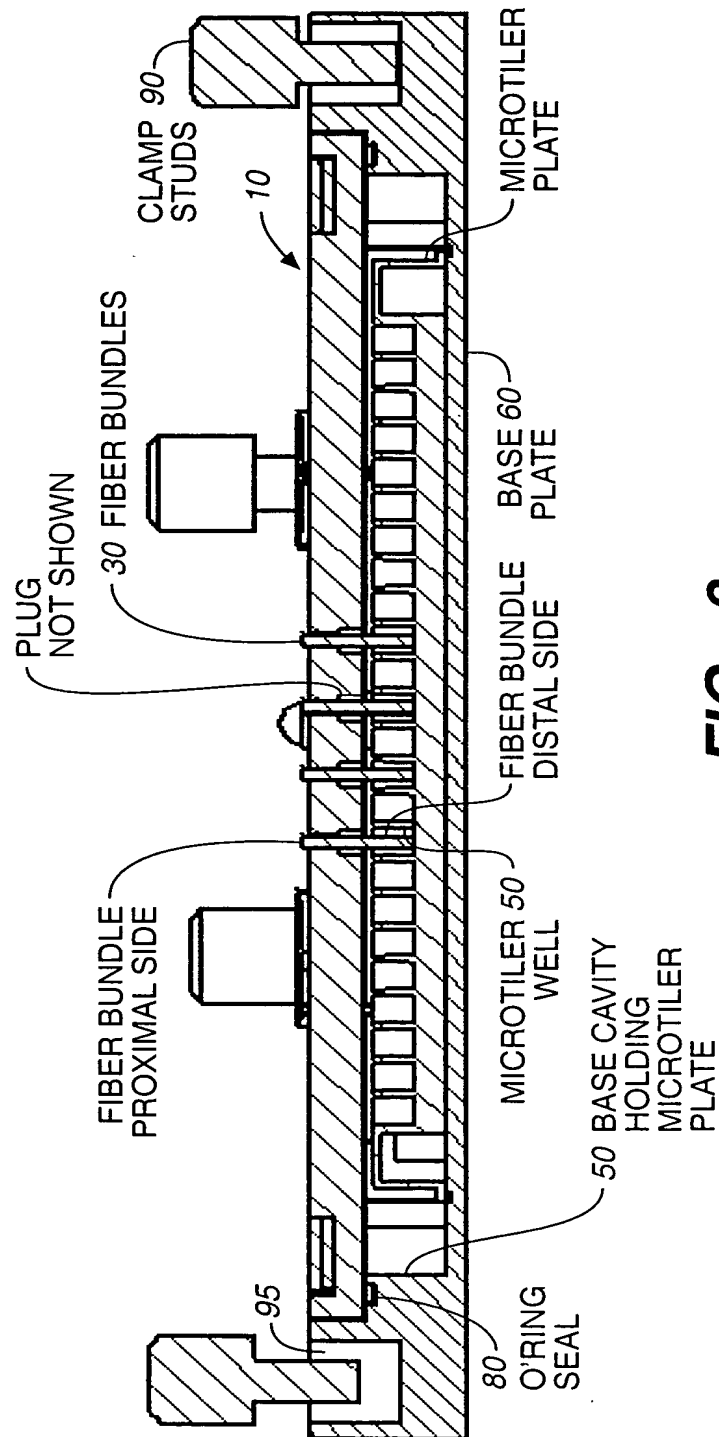
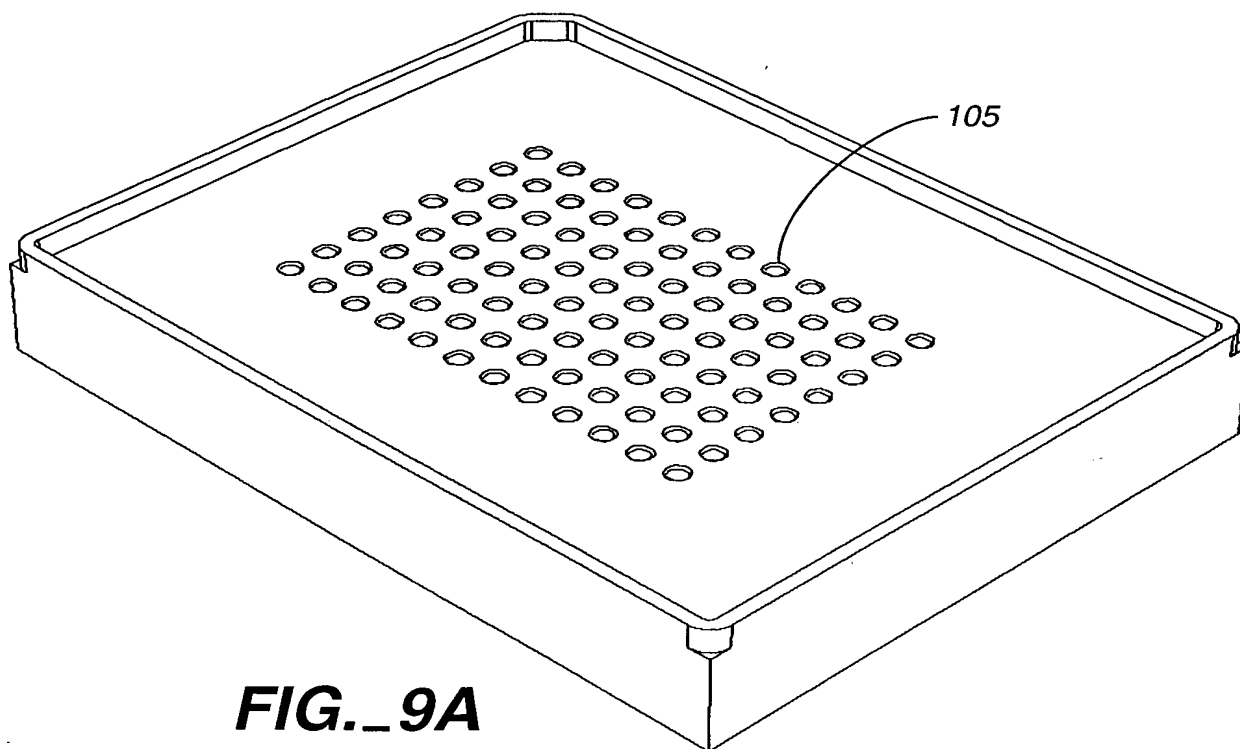


FIG. 8

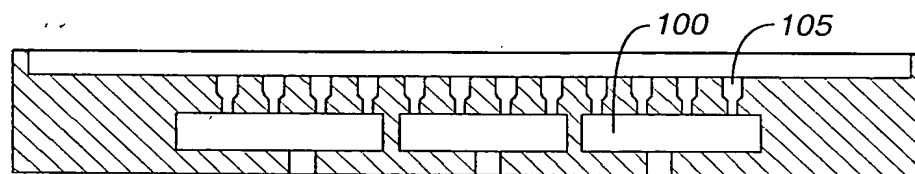
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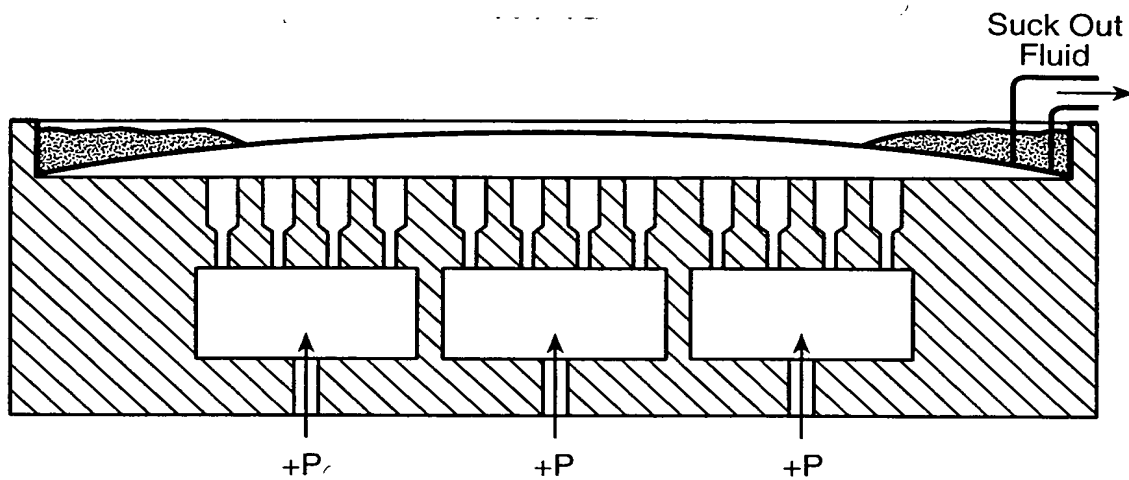
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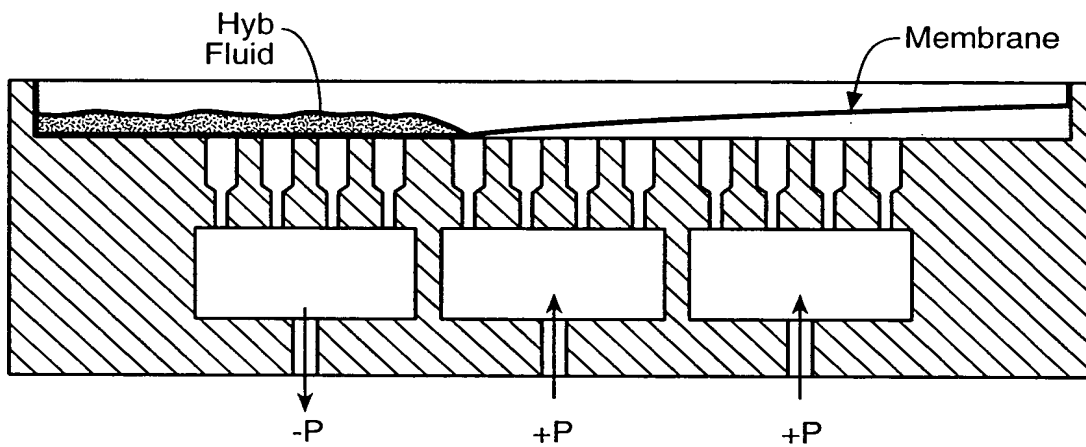
**FIG.\_9A**



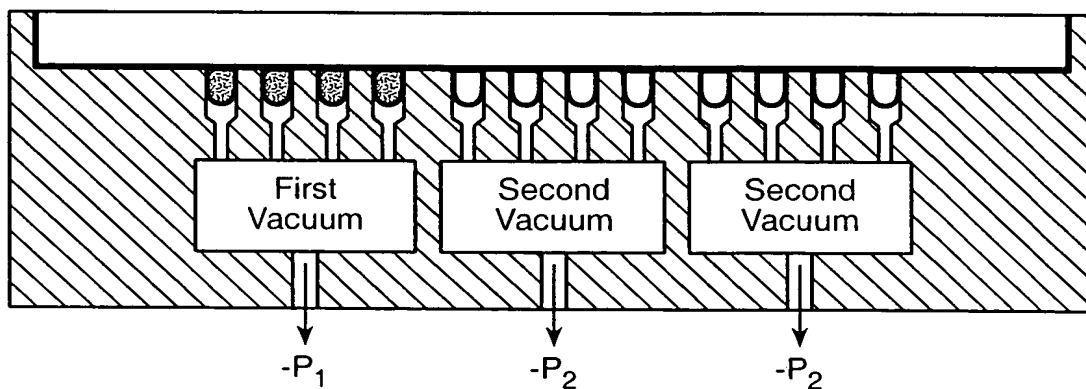
**FIG.\_9B**



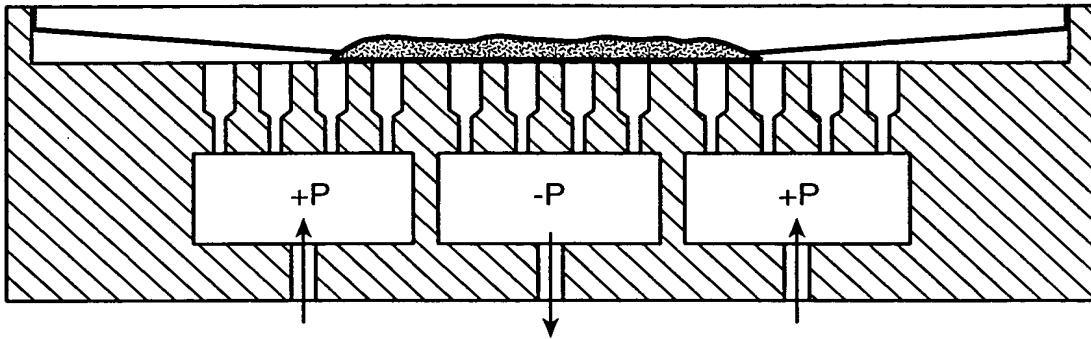
**FIG.\_10A**



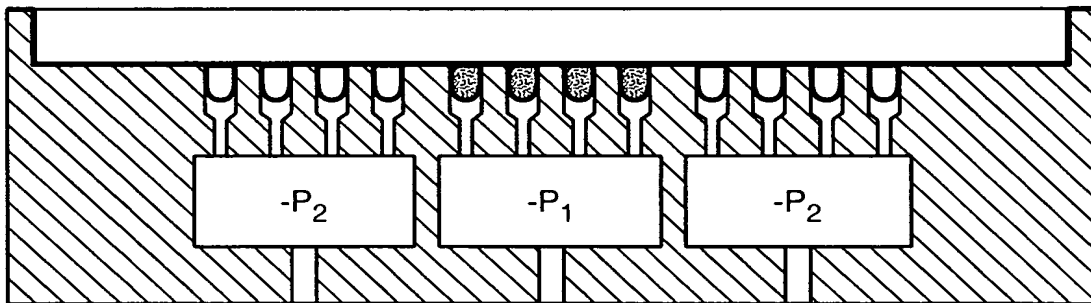
**FIG.\_10B**



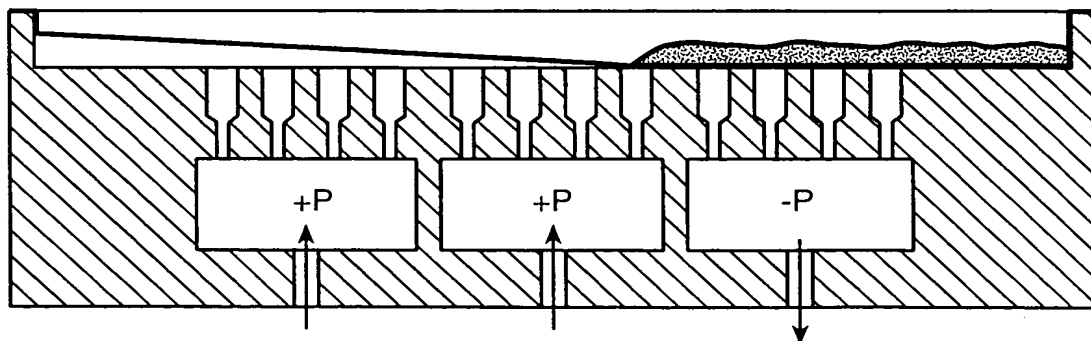
**FIG.\_10C**



**FIG.\_10D**



**FIG.\_10E**



**FIG.\_10F**

## ANALYTICAL HYBRIDIZATION

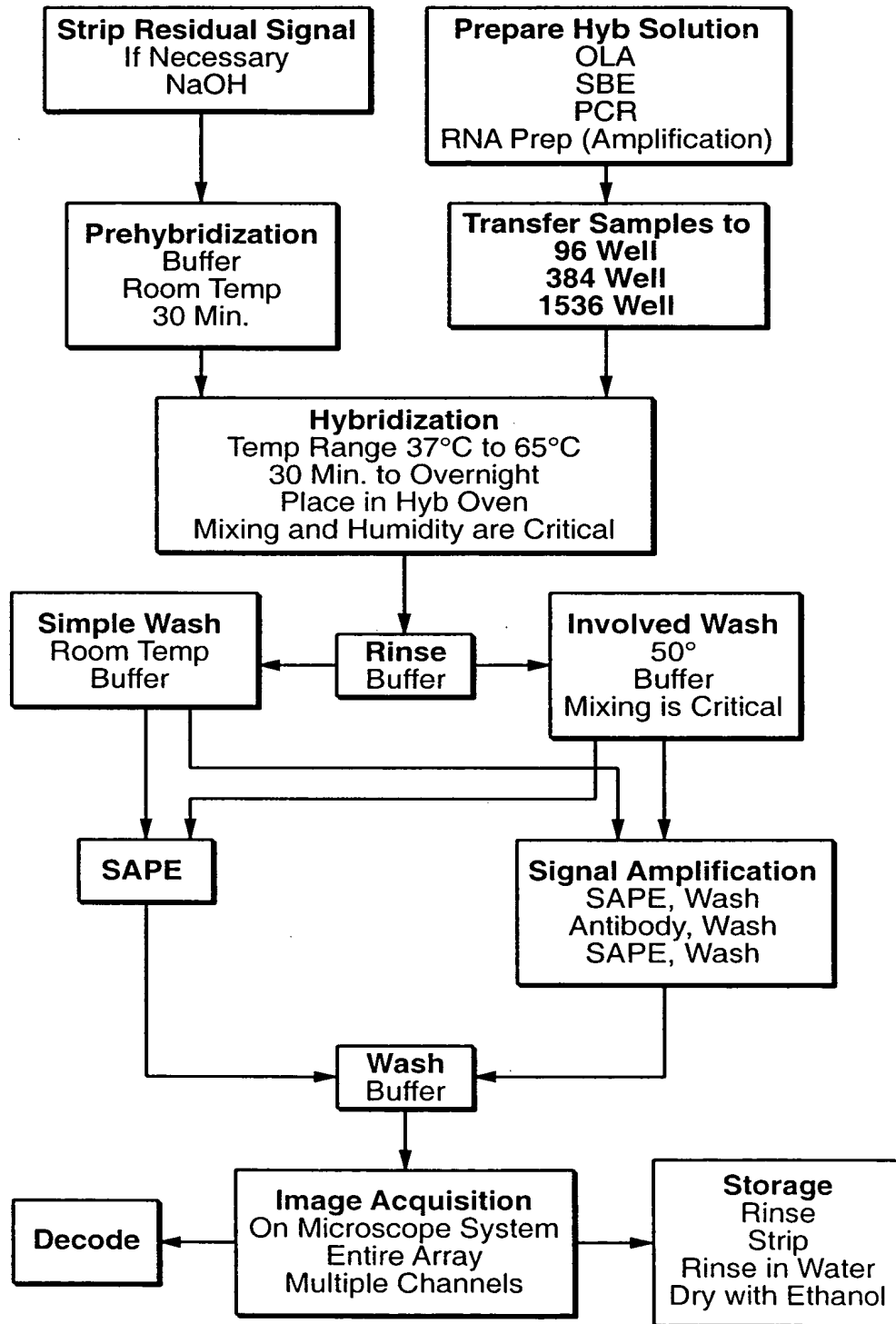
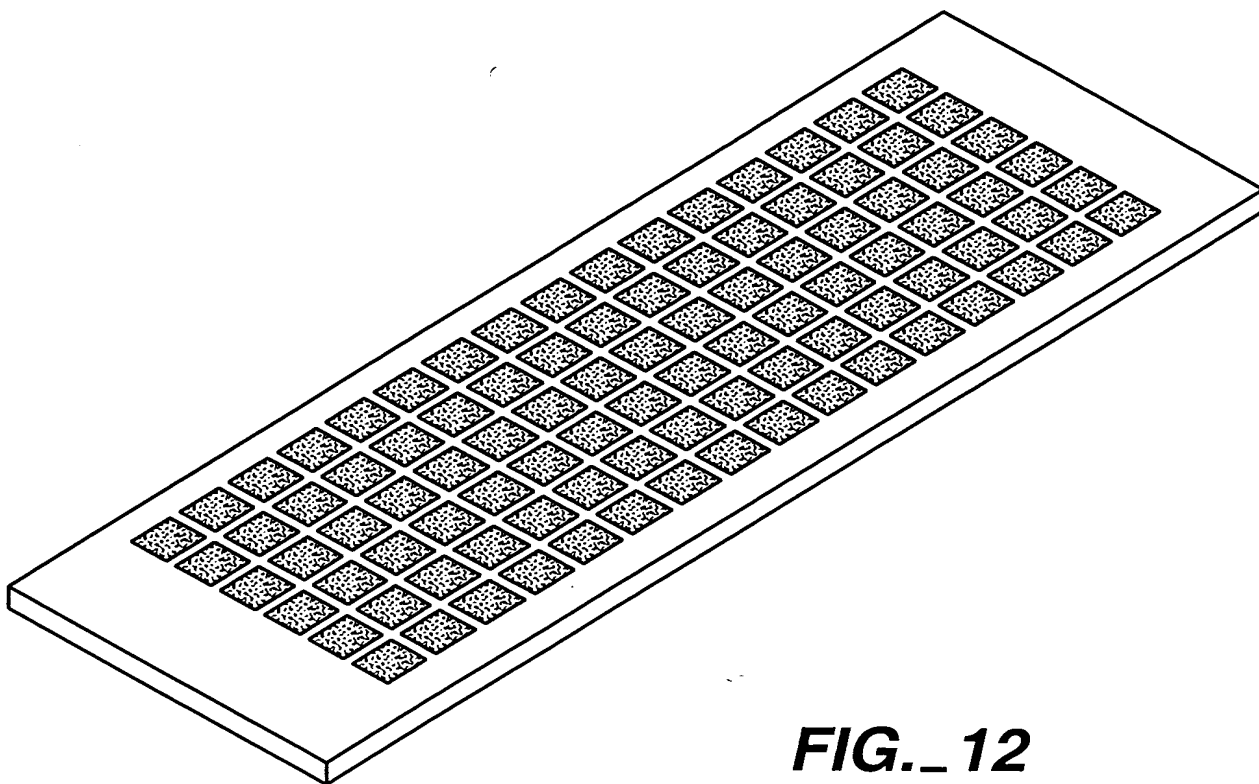


FIG. 11

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**FIG.\_12**

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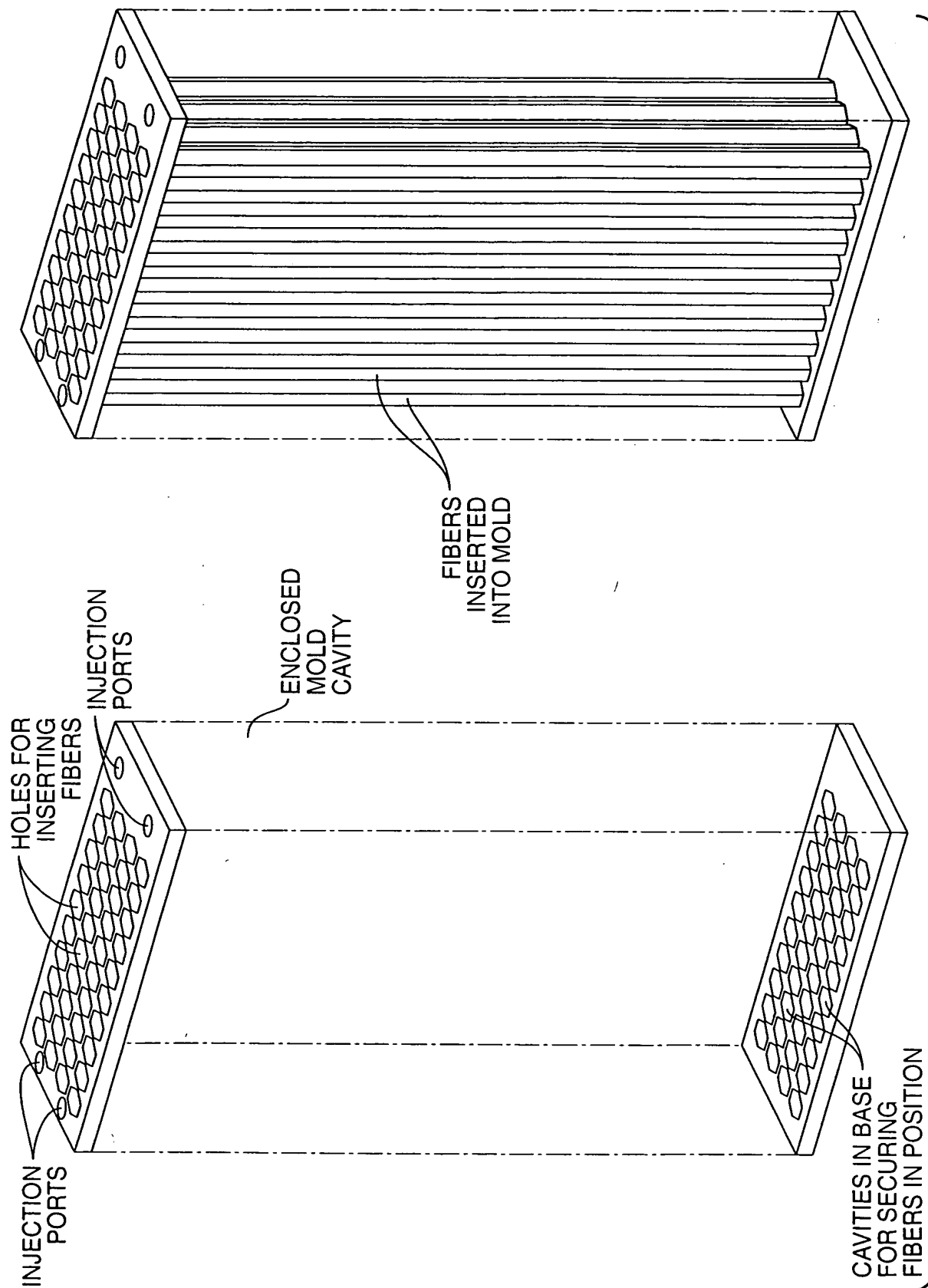


FIG. 13